

Polyimide Platinum/Iridium Alloy Insulated Wire (Pt90/Ir10)

Formula: Pt90/Ir10

Conductor Diameter: 0.1mm

Insulation: Polyimide

Insulation Thickness: 0.015mm

Length: 10m

UOM Code: 211-298-38

SKU: 1000086703-group

Product Code: PT02-SW-000136

Material Properties for Precious Metals

Mechanical Properties

Element	Value
Hardness - Brinell	130-190
Elongation at break(%)	25
Tensile strength(MPa)	380-620

Electrical Properties

Element	Value
Electrical resistivity(μOhmcm)	25
Temperature coefficient(K^{-1})	0.0013

Thermal Properties

Element	Value
Melting point(C)	1800
Thermal conductivity($\text{W m}^{-1} \text{K}^{-1}$)	31@23
Thermal conductivity($\text{W m}^{-1} \text{K}^{-1}$)	31@23C
Coefficient of thermal expansion($\times 10^{-6} \text{K}^{-1}$)	8.7@20-100°C

Physical Properties

Element	Value
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Density(gcm³) 21.56